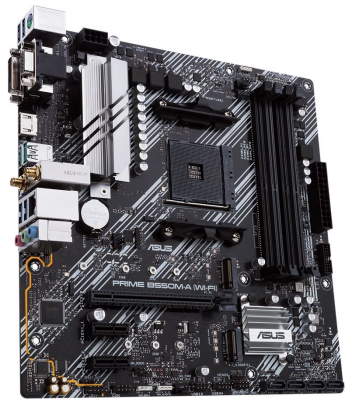
ComX Computers
Product Specification Sheet

ASUS PRIME B550M-A (WIFI)

Asus Prime B550M-A (Wi-Fi) AMD 3rd Gen Socket AM4 mATX Motherboard

Product Overview

Asus Prime B550m-a (Wi-Fi) AMD 3rd Gen Socket AM4 mATX Motherboard, 1x D-Sub, 1x DVI-D, 1x HDMI 2.1 (4k@60hz), 1x PCI-e 4.0 x16 (x16 mode), AMD B550 Chipset, 2x PCI-e 3.0 x1, 2x M.2 slots, 4x SATA 6Gb/s ports, Realtek RTL8111h 1GB Ethernet, Intel Wi-Fi 6 AX200, Bluetooth V5.1, USB 3.2 Gen 2 ports, USB 2.0 ports









Specifications

Overview:

PRIME B550M-A (WI-FI)
AMD B550 (Ryzen AM4) micro ATX motherboard with dual M.2, PCIe 4.0, Intel WiFi 6, 1 Gb Ethernet, HDMI/D-Sub/DVI, SATA 6 Gbps, USB 3.2 Gen 2 Type-A, and Aura Sync RGB headers support

- AMD AM4 socket:Ready for Ryzen 5000 Series/ 4000 G-Series/ 3000 Series Desktop Processors
- Comprehensive cooling:VRM heatsink, PCH heatsink, and Fan Xpert 2+
- Ultrafast connectivity:Dual M.2, PCIe 4.0, Intel WiFi 6, 1 Gb Ethernet, USB 3.2 Gen 2 Type-A
- Aura Sync RGB:Onboard addressable Gen 2 header for RGB LED strips, easily synced with Aura Sync-capable hardware

Features:

ASUS Prime series is expertly engineered to unleash the full potential of 3rd Generation AMD Ryzen platform. Boasting a

robust power design, comprehensive cooling solutions and intelligent tuning options, Prime B550 series motherboards provide daily users and DIY PC builders a range of performance tuning options via intuitive software and firmware features.

Tune It Your Way
Comprehensive controls form the foundation of the ASUS Prime series. The Prime B550 motherboard packs flexible tools to tune every aspect of your system, enabling you to tweak performance settings to perfectly match the way you work - maximizing your productivity.

Cool to the Core
Prime B550 series is engineered with multiple onboard heatsinks and an array of hybrid fan headers to ensure your rig stays cool and stable under intense workloads.

VRM Heatsink and Thermal Pads
A VRM heatsink with underneath thermal pad improves heat transfer from the MOSFETs and chokes for better cooling performance.

Build on a Solid Foundation
Prime B550 motherboard provides all the fundamentals to boost daily productivity, so your system will be ready for action with stable power, intuitive cooling and flexible transfer options.

Achieve speed with onboard M.2
PCIe 4.0 M.2 Slot supports up to 22110 and provide NVMe SSD RAID support for an incredible performance boost. Create a RAID configuration with up to PCIe 4.0 storage device to enjoy the fastest data-transfer speeds on the 3rd Generation AMD Ryzen platform.

Specifications:

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Specifications	
Product Code	ASUS PRIME B550M-A (WIFI)
CPU	Build in AMD AM4 Socket for AMD Ryzen 5000 Series/ 4000 G-Series/ 3000 Series Desktop Processors
Chipset	AMD B550
Memory	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	4 x DIMM, Max. 128GB, DDR4 4600(O.C) / 4400(O.C) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3333(O.C.) / 3200 / 3000 / 2800 / 2666 / 2400 / 2133 MHz Memory
	AMD Ryzen 4000 G-Series Processors
	4 x DIMM, Max. 128GB, DDR4 4800(O.C.) / 4600(O.C) / 4466(O.C.) / 4400(O.C) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3333(O.C.) / 3200 / 3000 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	Dual Channel Memory Architecture
	ECC Memory (ECC mode) support varies by CPU.

Graphic	1 x D-Sub
	1 x DVI-D
	1 x HDMI 2.1(4K@60HZ)
	*Graphics specifications may vary between CPU types.
Expansion Slots	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	1 x PCIe 4.0 x16 (x16 mode)
	AMD Ryzen 4000 G-Series Processors
	1 x PCIe 3.0 x16 (x16 mode)
	AMD B550 Chipset
	2 x PCIe 3.0 x1
Storage	Total supports 2 x M.2 slot(s) and 4 x SATA 6Gb/s ports
	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors :
	1 x M.2_1 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 4.0 x4 and SATA modes) storage devices support
	AMD Ryzen 4000 G-Series Processors :
	1 x M.2_1 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 3.0 x4 and SATA modes) storage devices support
	AMD B550 Chipset :
	1 x M.2_2 socket 3, with M Key, Type 2242/2260/2280 (PCIE 3.0 x4 and SATA modes) storage devices support
	4 x SATA 6Gb/s port(s)
	Support Raid 0, 1, 10
LAN	Realtek RTL8111H 1Gb Ethernet
Wireless Data Network	Intel Wi-Fi 6 AX200
	2x2 Wi-Fi 6 (802.11 a/b/g/n/ac/ax) support 1024QAM/OFDMA/MU-MIMO
	Supports up to 2.4Gbps max data rate
	Supports dual band frequency 2.4/5 GHz
	Supports channel bandwidth: HT20/HT40/HT80/HT160
	Supports PCIe interface
Bluetooth	Bluetooth v5.1
	*BT 5.1 function will be ready in Windows 10 build 19041 or later.

Audio	Realtek ALC887/897 7.1 Surround Sound High Definition Audio CODEC
	- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking, up to 24-Bit/192kHz playback
	Audio Feature :
	- LED-illuminated design
	- Audio Shielding
	- Dedicated audio PCB layers
	- Premium Japanese audio capacitors
	* Choose the chassis with HD audio module in front panel to support 8-channel audio output.
USB Ports	Rear USB Port (Total 6)
	2 x USB 3.2 Gen 2 port(s)(2 x Type-A)
	4 x USB 3.2 Gen 1 port(s)(4 x Type-A)
	Front USB Port (Total 6)
	2 x USB 3.2 Gen 1 port(s)(2 x Type-A)
	4 x USB 2.0 port(s)(4 x Type-A)
Software Features	ASUS Exclusive Software
	Armoury Crate
	- Aura Creator
	- Aura Sync
	AI Suite 3
	- Performance And Power Saving Utility
	TurboV EVO
	EPU
	Digi+ VRM
	Fan Xpert 2+
	- EZ update
	ASUS CPU-Z
	AI Charger
	DAEMON Tools
	Norton Anti-virus software (Free Trial for 60 days)
	WinRAR
	UEFI BIOS
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode

ASUS Special Features	ASUS 5X PROTECTION III
	- ASUS DIGI+ VRM
	- ASUS LANGuard
	- ASUS Overvoltage Protection
	- ASUS SafeSlot Core
	- ASUS Stainless-Steel Back I/O
	ASUS Q-Design
	- ASUS Q-DIMM
	- ASUS Q-Slot
	ASUS Thermal Solution
	- Aluminum heatsink design
	AURA Sync
	- Standard RGB headers
	- Addressable Gen 2 RGB header
	ASUS Lighting Control
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s)
	1 x DVI-D
	1 x D-Sub
	1 x HDMI
	1 x LAN (RJ45) port(s)
	2 x USB 3.2 Gen 2 (teal blue) (2 x Type-A)
	4 x USB 3.2 Gen 1 (blue) Type-A
	3 x Audio jack(s)
	1 x ASUS Wi-Fi Module

Internal I/O Ports	1 x CPU Fan connector(s)
	1 x CPU OPT Fan connector(s)
	2 x Chassis Fan connector(s)
	2 x Aura RGB Strip Headers
	1 x Addressable Gen 2 header(s)
	1 x USB 3.2 Gen 1(up to 5Gbps) connector(s) support(s) additional 2 USB 3.2 Gen 1 port(s)
	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
	1 x M.2 Socket 3 with M Key, type 2242/2260/2280/22110 storage devices support (SATA mode & X4 PCIE mode)
	1 x M.2 Socket 3 with M Key, type 2242/2260/2280 storage devices support (SATA mode & X4 PCIE mode)
	1 x SPI TPM header
	4 x SATA 6Gb/s connector(s)
	1 x S/PDIF out header(s)
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin EATX 12V Power connectors
	1 x Front panel audio connector(s) (AAFP)
	1 x Clear CMOS jumper(s)
	1 x System panel connector
	1 x COM port header
	1 x Speaker connector
Accessories	I/O Shield
	2 x SATA 6Gb/s cable(s)
	1 x Supporting DVD
	User manual
	1 x Wi-Fi moving antenna
	1 x M.2 SSD screw package(s)
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PXE
Operating System	Windows 10 64-bit
Form Factor	mATX Form Factor
	9.6 inch x 9.6 inch (24.4 cm x 24.4 cm)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/ASUS-PRIME-B550M-A-WIFI-Asus-Prime-B550M-A-Wi-Fi-AMD-3rd-Gen-Socket-AM4-mATX-Motherboard-p-254692.php

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